

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-26 (Canceled)

27. (Currently Amended) A content providing method, comprising:

forming multimedia content by collecting scenes, each scene containing a component group formed by customizing and arbitrarily combining a plurality of components operating on a browser, the scene also containing a script for operating each component; and

providing, upon satisfaction of specifications, each of the components with a service via a browser;

wherein the service comprises:

reading the multimedia content and loading the component group and script contained in the scene;

managing a life cycle of each component, wherein the life cycle comprises a plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each component;

managing focus transition between the one of the components and another of the components; and

distributing a corresponding input from a predetermined external key to the one of the components.

28. (Previously Presented) The content providing method according to claim 27, wherein the service further comprises:

synchronously reproducing media; and
transitioning between a first scene and a second scene.

29. (Previously Presented) The content providing method according to claim 27, further comprising:

maintaining presentation consistency when the multimedia content is reproduced on the browser.

30. (Currently Amended) A computer-readable recording medium having a content providing program, the content providing program causing a computer to execute a content providing method, the method comprising:

forming multimedia content by collecting scenes, each scene containing a component group formed by customizing and arbitrarily combining a plurality of components operating on a browser, the scene also containing a script for operating each component; and

providing, upon satisfaction of specifications, each of the components with a service via a browser;

wherein the service comprises:

reading the multimedia content and loading the component group and script contained in the scene;

managing a life cycle of each component, wherein the life cycle comprises a plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each component;

managing focus transition between the one of the components and another of the components; and

distributing a corresponding input from a predetermined external key to the one of the components.

31. (Previously Presented) A computer-readable recording medium according to claim 30, wherein the service further comprises:

synchronously reproducing media; and

transitioning between a first scene and a second scene.

32. (Previously Presented) A computer-readable recording medium according to claim 30, the method further comprising:

maintaining presentation consistency when the multimedia content is reproduced on the browser.

33. (Currently Amended) A method for providing a browser, comprising the steps of:

reading multimedia content and loading a component group, containing a plurality of components, and a script contained in a scene;

providing, upon satisfaction of specifications, each of the components with a service wherein the service further performs the steps of:

managing a life cycle of each component in the component group, wherein the life cycle comprises a plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each component;

managing focus transition between the one of the components and another of the components; and

distributing a corresponding input from a predetermined external key to the one of the components.

34. (Currently Amended) A method for producing multimedia content having a collection of scenes, comprising the steps of:

forming a component group by customizing and arbitrarily combining a plurality of components operating on a browser and upon satisfaction of specifications, providing each component with a service; and

operating each component by using a script; wherein the service comprises:

reading multimedia content and loading the component group and the script contained in the scene;

managing a life cycle of each component, wherein the life cycle comprises a plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each component;

managing focus transition between the one of the components and another of the components; and

distributing a corresponding input from a predetermined external key to the one of the components.

35. (Previously Presented) The method for producing multimedia content according to claim 34, further comprising:

combining the multimedia content and the browser to create one application.

36. (Previously Presented) The method for producing multimedia content according to claim 34, further comprising:

controlling reading the one of the components in a distribution format and displaying the one of the components on a graphic user interface (GUI);

adding another component selected from the plurality of components, on the graphic user interface to the multimedia content;

providing the graphic user interface for customizing the added component; and
converting the multimedia content edited in the displaying, adding, and providing
steps into a distributable format.

37. (Currently Amended) A computer-readable recording medium having a
multimedia content producing program, the multimedia content producing program
causing a computer to execute a multimedia content producing method, the method
comprising:

forming a component group by customizing and arbitrarily combining a plurality of
components operating on a browser upon satisfaction of specifications, and providing
each component with a service; and

operating each component by using a script; wherein the service comprises:
reading multimedia content and loading the component group and the script
contained in the scene;

managing a life cycle of each component, wherein the life cycle comprises a
plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and
deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each
component;

managing focus transition between the one of the components and another of the
components; and

distributing a corresponding input from a predetermined external key to the one of the components.

38. (Currently Amended) A method for processing multimedia content, comprising the steps of:

converting a format of multimedia content from a first format, utilizing techniques of expressing a data structure by a text, into a second format, wherein:

the multimedia content in the second format comprises a collection of scenes, each scene containing:

a component group formed by customizing and arbitrarily combining a plurality of components operating on a browser and, upon satisfaction of specifications, providing each component with a service; and

a script for operating each component; and wherein the service performs the steps of:

reading multimedia content and loading the component group and the script contained in the scene;

managing a life cycle of each component, wherein the life cycle comprises a plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each component;

managing focus transition between the one of the components and another of the components; and

distributing a corresponding input from a predetermined external key to the one of the components.

39. (Previously Presented) The method for processing multimedia content according to claim 38, further comprising:

combining the multimedia content in the second format and the browser to create an application.

40. (Previously Presented) The method for processing multimedia content according to claim 38, wherein the techniques utilized in the first format include XML.

41. (Currently Amended) A computer-readable recording medium having a multimedia content processing program, the multimedia content processing program causing a computer to execute a multimedia content processing method, the method comprising:

converting a format of multimedia content from a first format, utilizing techniques of expressing a data structure by a text, into a second format; wherein:

the multimedia content in the second format comprises a collection of scenes, each scene containing:

a component group formed by customizing and arbitrarily combining a plurality of components operating on a browser and, upon satisfaction of specifications, providing each component with a service; and

a script for operating each component; wherein the service performs the steps of:
reading multimedia content and loading the component group and the script contained in the scene;

managing a life cycle of each component, wherein the life cycle comprises a plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each component;

managing focus transition between the one of the components and another of the components; and

distributing a corresponding input from a predetermined external key to the one of the components.

42. (Currently Amended) An information processing system comprising a first information processing apparatus for producing and distributing multimedia content and a second information processing apparatus for reproducing multimedia content distributed by the first apparatus, the first and second information processing apparatuses being interconnected by a network; wherein:

the first information processing apparatus produces multimedia content containing a collection of scenes and distributes, via the network, the produced multimedia content and a browser to the second information processing apparatus as one application; and

the second information processing apparatus reproduces the distributed application on the browser; wherein

each of the scenes contains:

a component group formed by customizing and arbitrarily combining a plurality of components operating on a browser upon satisfaction of specifications, and providing each component with a service; and

a script for operating each component; wherein the service performs the steps of:
reading multimedia content and loading the component group and the script contained in the scene;

managing the life cycle of each component constituting the component group,
wherein the life cycle comprises a plurality of states for each component;

displaying one of the components in a predetermined 3-D virtual space and deleting another of the components previously displayed in the 3-D virtual space;

providing a communication service between an interpreter of the script and each component;

managing focus transition between the one of the components and another of the components; and

distributing a corresponding input from a predetermined external key to the one of the components.